

Mean Median Mode HW**Multiple Choice**

Identify the letter of the choice that best completes the statement or answers the question.

- _____ 1. The scores of 13 bowlers on their last game are recorded:
184, 159, 170, 183, 173, 187, 175, 166, 187, 177, 183, 165, 195
Find the range of the bowlers' scores.
a. 48 b. 26 c. 15 d. 36
- _____ 2. Find the mode and median of the data in this stem-and-leaf plot.

Stem	Leaf
5	3 4 8
6	0 3 5
7	3 4 6
8	2 5
9	7 7

- a. no mode; 73.5 b. 97; 73 c. no mode; 73 d. 63; 73.5
- _____ 3. Which set of data has mode 11?
a. 18, 33, 16, 2, 11, 16 c. 17, 8, 36, 10, 11, 17
b. 13, 5, 9, 13, 11, 28 d. 4, 11, 18, 18, 11, 11
- _____ 4. Which set of data has median 34?
a. 65, 29, 50, 40, 53 c. 39, 27, 22, 24, 43
b. 18, 27, 13, 12, 33 d. 23, 44, 52, 34, 14
- _____ 5. Which set of data has mean 6.86?
a. 9.3, 8.7, 6.4, 5.4, 9.8 c. 6.6, 7.7, 6.4, 5.3, 8.3
b. 8.9, 9.2, 5.2, 6.5, 7.2 d. 8.8, 7.5, 6.9, 7.2, 5.2
- _____ 6. The number of patients treated at Dr. Jason's dental office each day was recorded for 8 days.
Here are the results:
6, 4, 5, 4, 4, 14, 5, 7
Use these data to find the mean, median, and mode for the sample.
a. mean = 6.125; median = 6; mode = 4
b. mean = 6.125; median = 5; mode = 4
c. mean = 5.25; median = 5; mode = 4
d. mean = 5.25; median = 6; mode = 4
- _____ 7. Identify the outlier of this set of data:
17, 24, 13, 18, 21, 12, 34, 23
a. 13 b. 34 c. 12 d. 21

Name: _____

ID: A

Short Answer

8. Given this set of data:
38, 35, 30, 7, 22, 29, 41, 23
- a) Identify the outlier in the data.
 - b) Find the mean with the outlier.
 - c) Find the mean without the outlier.

Problem

9. The mean, median, and mode of a set of 4 numbers is 7. What numbers are possible?
Justify your answer.
10. Find the mean, median, and mode of 3, 12, 17, 17, 23, 36
If you drop the least and greatest numbers, how will this affect the mean, median, and mode?
Show your work.